

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. **(Previously Presented)** A managed node comprising:

a first database having metadata descriptive of data stored in a second database;

a first process in communication with said second database; and

a second process in communication with said first process through a first protocol, said second process receiving communication transmitted across a network using a second protocol and having access to said metadata in said first database for translation between said first and second protocol.

2. **(Original)** The managed node of claim 1, wherein said first process comprises an SNMP agent.

3. **(Original)** The managed node of claim 1, wherein said second process comprises a network shim layer providing an interface between said first process and said network.

4. **(Previously Presented)** The managed node of claim 3, wherein said second protocol for communication on said network comprises COPS-PR.

5. **(Original)** The managed node of claim 1, wherein said second database comprises a MIB.

6. **(Currently Amended)** The managed node of claim [[5]] 2, wherein said first

protocol comprises an application program interface of said SNMP agent.

7. **(Currently Amended)** The managed node of claim [[5]] 2, wherein said second protocol comprises a COPS protocol.

8. **(Original)** The managed node of claim 1, wherein said metadata is obtained from a remote source.

9. **(Previously Presented)** A managed network comprising:

a management station; and

a managed node in communication with said management station using a second protocol, said managed node including

a first database having metadata descriptive of data stored in a second database;

a first process in communication with a second process through a first protocol, said second process being in communication with said second database, said first process receiving communication from said management station through a second protocol and having access to said metadata in said first database for translation between said first protocol and said second protocol.

10. **(Previously Presented)** The managed network of claim 9, wherein said second protocol for communication between said managed node and said management station comprises COPS-PR.

11. **(Previously Presented)** The managed network of claim 9, wherein an interface for communication between said first and second processes comprises an application program interface communication.

12. **(Currently Amended)** The managed network of claim 9, wherein said ~~first~~ second process comprises an SNMP agent.

13. **(Currently Amended)** The managed network of claim 9, wherein said ~~second~~ first process comprises a network shim layer providing an interface between said first process and a network.

14. **(Previously Presented)** The managed network of claim 13, wherein said second protocol for communication between said network shim layer and said management station comprises COPS-PR.

15. **(Original)** The managed network of claim 9, wherein said second database comprises a MIB.

16. **(Previously Presented)** The managed network of claim 15, wherein said first protocol comprises an application program interface of said SNMP agent.

17. **(Previously Presented)** The managed network of claim 15, wherein said second protocol comprises a COPS protocol.

18. **(Original)** The managed network of claim 9, wherein said metadata is obtained from a remote source.

19. **(Cancelled)** A method comprising:

receiving a first communication;

obtaining metadata from a first database to identify selected data in a second database, said selected data being dependent on said first communication;

on the basis of said metadata, translating said first communication into a second communication; and

relaying said second communication.

20. (Cancelled) The method of claim 19, wherein receiving a first communication comprises receiving a COPS-PR communication, and relaying said second communication comprises relaying said second communication to an SNMP agent.

21. (Cancelled) The method of claim 19, wherein receiving a first communication comprises receiving a first communication from an SNMP agent, and

relaying said second communication comprises relaying said second communication to a management station.

22. (Cancelled) The method of claim 19, wherein translating said first communication comprises accessing selected data from a MIB.

23. (Cancelled) The method of claim 22, wherein accessing selected data comprises selecting said data on the basis of metadata from said first database.

24. (Cancelled) A computer-readable medium having software encoded thereon, said software comprising instructions for:

receiving a first communication;

obtaining metadata from a first database to identify selected data in a second database, said selected data being dependent on said first communication;

on the basis of said metadata, translating said first communication into a second communication; and

relaying said second communication.

25. (Cancelled) The computer-readable medium of claim 24, wherein said instructions for receiving a first communication comprise instructions for receiving a COPS-PR communication, and

said instructions for relaying said second communication comprise instructions for relaying said second communication to an SNMP agent.

26. (Cancelled) The computer-readable medium of claim 24, wherein said instructions for receiving a first communication comprise instructions for receiving a first communication from an SNMP agent, and

said instructions for relaying said second communication comprise instructions for relaying said second communication to a management station.

27. (Cancelled) The computer-readable medium of claim 24, wherein said instructions for translating said first communication comprise instructions for accessing selected data from a MIB.

28. (Cancelled) The computer-readable medium of claim 27, wherein said instructions for accessing selected data comprise instructions for selecting said data on the basis

of metadata from said first database.

29. (Cancelled) An apparatus comprising:

in a managed network node,

stored descriptive information that describes other, network management information stored in said managed network node, and

stored instructions that use said stored descriptive information to aid a network management station in accessing said network management information.

30. (Cancelled) The apparatus of claim 29, wherein said stored instructions are configured to communicate with said network management station using a COPS protocol and to access said network management information using an application program interface SNMP.

31. (Cancelled) A method comprising:

enabling communication of network management information between a first process and a remote network management facility in accordance with a communication protocol, and

enabling communication of said network management information between said first process and a local network management facility in accordance with an interface second.

32. (Cancelled) The method of claim 31, further comprising:

selecting said first communication protocol to be a COPS protocol; and

selecting said interface to be an application program interface of an SNMP agent.second communication protocol to be SNMP.

33. (Cancelled) A process comprising instructions for:

enabling communication of network management information between a first process and a remote network management facility in accordance with a communication protocol, and

enabling communication of said network management information between said first process and a local network management facility in accordance an interface.

34. (Cancelled) The process of claim 33, further comprising

instructions for communicating with said remote network management facility using a COPS protocol; and

instructions for communicating with said local network management facility using an application program interface of an SNMP agent SNMP.

35. (Previously Presented) A managed node comprising:

a first database having metadata descriptive of data stored in a second database;

a first process in communication with said second database; and

a second process in communication with said first process through a first protocol, said second process receiving communication transmitted across a network using a second protocol comprising the COPS protocol and having access to said metadata in said first database for translation between said first and said second protocol.

36. (Previously Presented) The managed node of claim 35, wherein said first process comprises an SNMP agent.

37. (Previously Presented) The managed node of claim 35, wherein said second

process comprises a network shim layer providing an interface between said first process and said network.

38. (Previously Presented) The managed node of claim 35, wherein said second database comprises a MIB.

39. (Previously Presented) The managed node of claim 36, wherein said first protocol comprises an application program interface of said SNMP agent.

40. (Previously Presented) The managed node of claim 35, wherein said metadata is obtained from a remote source.

41. (New) A managed node comprising:

a database having metadata descriptive of data stored in an MIB;

an SNMP agent in communication with the MIB; and

a process in communication with the SNMP agent through an SNMP protocol, the process receiving communication transmitted across a network using a COPS-PR protocol and having access to the metadata in the database for translation between the SNMP protocol and the COPS-PR protocol.

42. (New) The managed node of claim 41, wherein the process comprises a network shim layer providing an interface between the SNMP agent and the network.

43. (New) The managed node of claim 41, wherein the metadata is obtained from a remote source.